

Box Model:

Borders:

- border-style
 - border-bottom-style
 - border-left-style
 - border-right-style
 - border-top-style
- border-width
 - border-bottom-width
 - border-left-width
 - border-right-width
 - border-top-width
- border-color
 - border-bottom-color
 - border-left-color
 - border-right-color
 - border-top-color
- border
 - border-width border-style border-color
- border-bottom
 - border-width border-bottom-style border-color
- border-left
 - border-width border-left-style border-color
- border-right
 - border-width border-right-style border-color
- border-top
 - border-width border-top-style border-color

Margins:

- margin
- margin-top
- margin-right
- margin-left
- margin-bottom
- auto: Value, centers an element inside its container

Padding:

- padding
- padding-top
- padding-right
- padding-left
- padding-bottom

Height/width:

- width
- height
- max-height
- max-width
- min-height
- min-width
- Imagine a range for max and min
- $\text{min} \leq \text{width/height} \leq \text{max}$

Outline:

outline-style- same as border

outline-width- same as border

outline-color- same as border

outline-offset

Defines the distance between it and the border

outline- same as border

Position:

position:

static: not affected by left, right, bottom, or top properties

relative: specifies that the left, right, bottom, and top move relative to the original

position

fixed: stays fixed to the page

absolute: defines its position relative to the parent element,

sticky:

bottom: move up from the bottom

clip: you specify a rect with rect() to create a rectangle to clip an image

left: move away from left

right: move away from right

top: move down from top

Box model:

Content: innermost part of element

Border: surrounds or borders content

Padding: space between border and content

Margin: space outside of border

Outline: style and outline outside the border, overlaps with margin and other elements

Text:

Color: uses **color** property, can use rgb values

Text alignment:

text-align

text-align-last

direction

unicode-bidi

vertical-align

The alignment properties align the text, with the options of **left**, **right**, and **justify**.

The direction and unicode bidi properties changes how the text behaves, with direction on where the text starts and leaves, and the unicode bidi on how to display that text depending on the direction

Vertical alignment property can align the text *vertically*, with the options of **baseline**, **text-top**, **text-bottom**, **sub**, and **super**.

Text decoration:

text-decoration:

text-decoration-line: creates a decoration line and type of line

text-decoration-color: describes the color of decoration line

text-decoration-style: describes the style of decoration line

text-decoration-thickness: describes the thickness of a decoration line

text-transform:

capitalize

lowercase

uppercase

Text spacing:

- text-indent: specifies indentation of a text
- letter-spacing: specifies spacing between characters
- line-height: specifies spacing between lines
- word-spacing: specifies spacing between words
- white-space: handles how whitespace is handled

text-shadow: creates a shadow for text

h-shadow: specifies the horizontal shadows

v-shadow: specifies the vertical shadows

blur-radius: specifies how blurry the shadow is

i) these values can be repeated like so to create multiple shadows: *value1 value2 value3, value1 value2 value3,...*

Fonts:

font-family: specifies what fonts to use

Font families:

Sans serif

Cursive

Fantasy

Monospace

Serif

Fallback fonts: fallback fonts are fonts that are used when the main font doesn't

work

font-style: specifies the style of the font, i.e. italic fonts

font-weight: specifies the weight of the font, i.e. how bold it is

font-variant: specifies the how to treat a font

font-size: specifies the size of the font

Icons:

An icon is an image that you can insert in text

`<i class="insert icon name"></i>`

Links:

a:hover : when the user hovers over a link

a:active : when the link is clicked

a:visited : after the link is visited

a:link : when the link isn't visited

Lists:

list-style: specifies how the list is styled

list-style-type:

list-style-position:

list-style-image:

Display:

display: specifies display behavior

inline: default for span

inline-block: same as inline but allows width and height

block: same as inline-block but adds a line break

visibility: specifies visibility behavior

Z-index:

z-index: specifies the stack order of an element

One element can have a z-index of 1 and another of 2, the first will be on top of the second

Overflow:

- overflow**: specifies how to react when text overflows
 - visible**: text is not clipped and is rendered outside the element's box
 - hidden**: text is clipped
 - scroll**: overflow is clipped and a scroll bar is added to navigate through the text
 - auto**: adds scrollbars only when necessary
- overflow-x**: manages overflow for the x direction
- overflow-y**: manages overflow for the y direction

Float:

- float**: can be used to wrap text around an image
 - left**: floats image to the left
 - right**: floats image to the right
- clear**: pushes the preceding elements below, same property values as float

Aligning Elements:

margin: auto

text-align: center

margin-left: auto;

margin-right: auto;

Clearfix hack:

```
.clearfix::after{
    content: "";
    clear: both;
    display: table;
}
```

CSS filters:

Element > element

Element + element

Element ~ element

Element element

[attribute=value]

[attribute~=value]

[attribute|=value]

[attribute^=value]

[attribute\$=value]

[attribute*=value]

Opacity:

- opacity**: changes how opaque an element is

Counters:

- counter-reset**: creates

- counter-increment**:

- content**:

- counter()**:

counters():

!important

Math:

calc()

min()

max()